ABSTRACT OF THE DISCLOSURE

An optical fiber composite that can easily have a desired mean transmission property as a whole even after a length of optical fiber is cut off from one end or both ends, a cable comprising the composites, and methods for producing the composite and cable. An optical fiber composite 10 is produced by splicing a first optical fiber 11, a second optical fiber 12, and a third optical fiber 13 in this order. The first optical fiber 11 and the third optical fiber 13 each have a first chromatic dispersion, D_1, at the wavelength of a signal-carrying lightwave. The second optical fiber 12 has a second chromatic dispersion, D_2, at the wavelength of the signal-carrying lightwave. The third optical fiber has a length, L_3, shorter than the length, L_1, of the first optical fiber. It is desirable that the ratio L_3/ L_1 be at most 0.1.